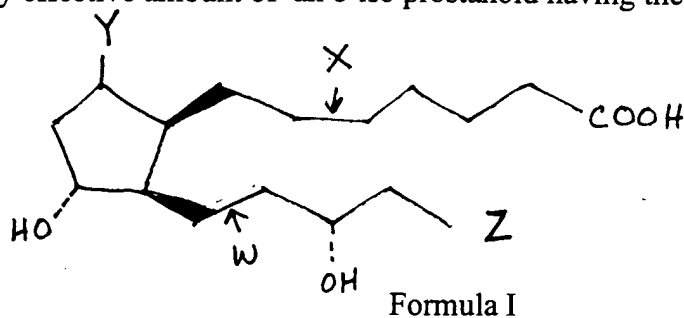


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WE CLAIM:

1. A method for decreasing intraocular pressure comprising administering a therapeutically effective amount of an 8-iso prostanoid having the following Formula I:

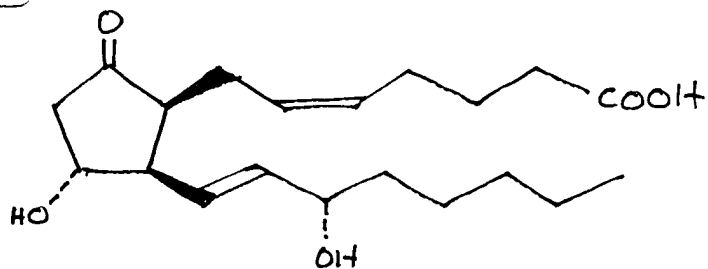


where bond W is selected from the group consisting of a single covalent bond and a double covalent bond, bond X is selected from the group consisting of a single covalent bond and a double covalent bond, substituent Y is selected from the group consisting of a hydroxyl group having either α or β orientation relative to the five-membered ring and a keto function, and substituent Z is a hydrocarbon group selected from the group of aliphatic, aromatic, or a combination of aliphatic and aromatic hydrocarbon, to a patient in need of such treatment.

2. The method of claim 1 wherein the 8-iso prostanoid is administered topically.

3. The method of claim 2 wherein the 8-iso prostanoid is administered as a composition comprising between .005 to 1 percent 8-iso prostanoid.

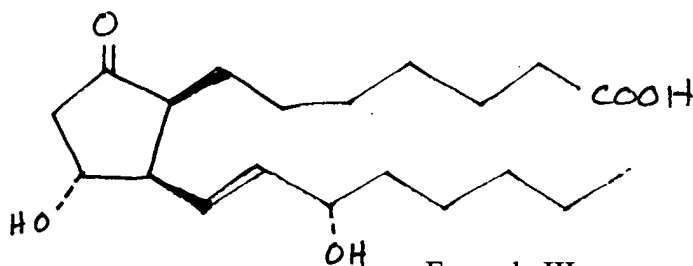
4. The method of claim 1, wherein the 8-iso prostanoic acid is selected from the group consisting of a compound having the following Formula II



Formula II

or a derivative thereof.

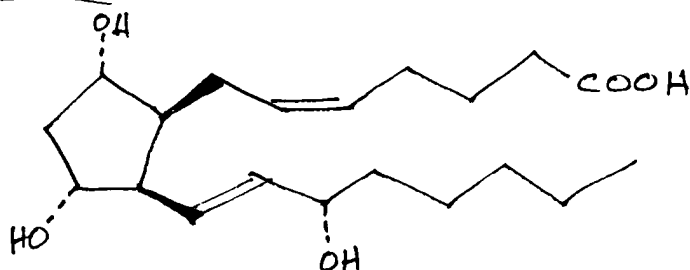
5. The method of claim 1, wherein the 8-iso prostanoic acid is selected from the group consisting of a compound having the following Formula III



Formula III

or a derivative thereof.

6. The method of claim 1, wherein the 8-iso prostanoic acid is selected from the group consisting of a compound having the following Formula IV

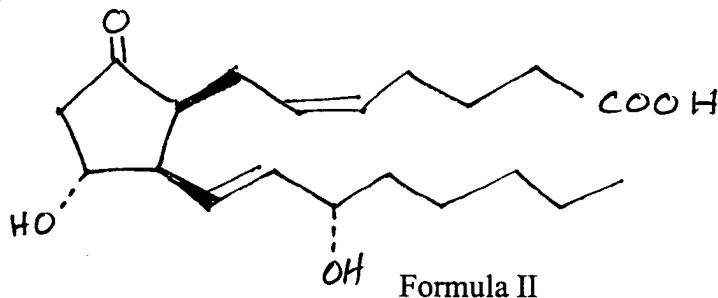


Formula IV

or a derivative thereof.

7. The method of claim 2, wherein the 8-iso prostanoid is selected from the group

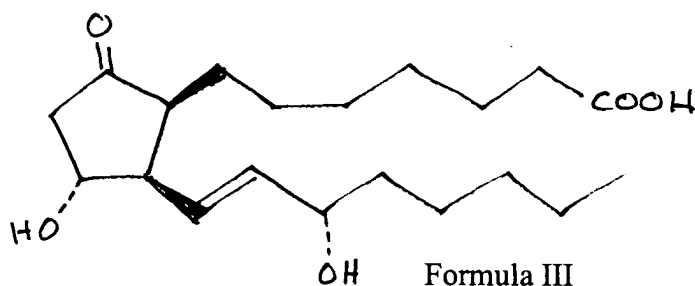
consisting of a compound having the following Formula II



or a derivative thereof.

8. The method of claim 2, wherein the 8-iso prostanoid is selected from the group

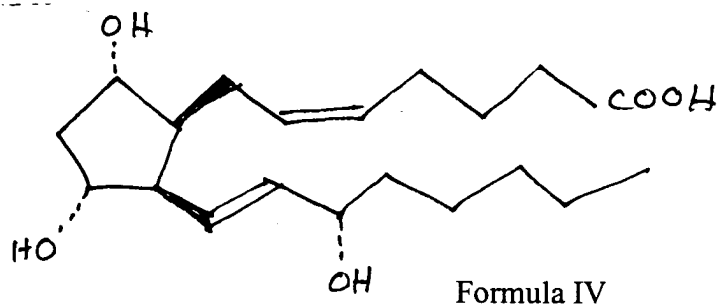
consisting of a compound having the following Formula III



or a derivative thereof.

9. The method of claim 2, wherein the 8-iso prostanoid is selected from the group

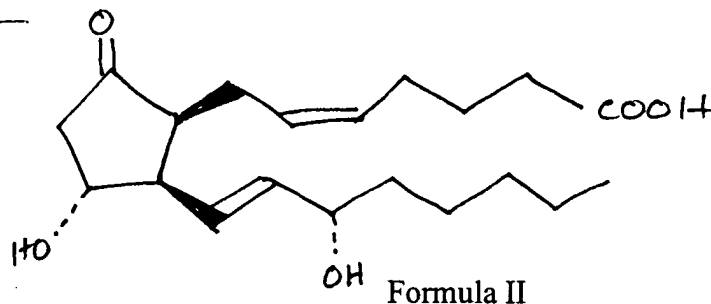
consisting of a compound having the following Formula IV



or a derivative thereof.

10. The method of claim 3, wherein the 8-iso prostanoid is selected from the

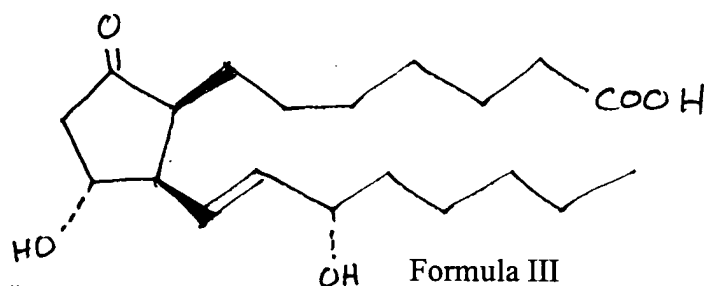
group consisting of a compound having the following Formula II



or a derivative thereof.

11. The method of claim 3, wherein the 8-iso prostanoid is selected from the

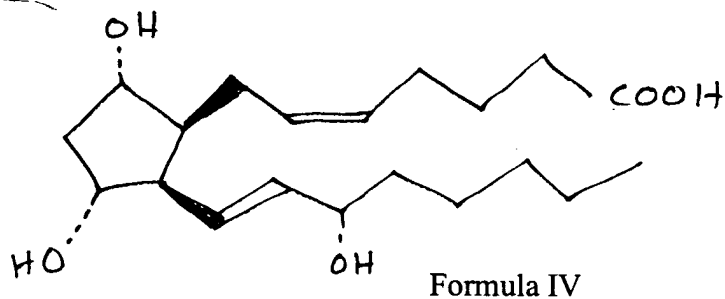
group consisting of a compound having the following Formula III



or a derivative thereof.

12. The method of claim 3, wherein the 8-iso prostanoid is selected from the

group consisting of a compound having the following Formula IV



or a derivative thereof.

13. The method of claim 4, wherein the derivative is an ester derivative.
14. The method of claim 5, wherein the derivative is an ester derivative.
15. The method of claim 6, wherein the derivative is an ester derivative.
16. The method of claim 7, wherein the derivative is an ester derivative.
17. The method of claim 8, wherein the derivative is an ester derivative.
18. The method of claim 9, wherein the derivative is an ester derivative.
19. The method of claim 10, wherein the derivative is an ester derivative.
20. The method of claim 11, wherein the derivative is an ester derivative.
21. The method of claim 12, wherein the derivative is an ester derivative.